

# iTrip<sup>®</sup>Auto Universal Plus

Listen to your player through your car stereo  
Recharge through your cigarette lighter

## Quick Start Guide

Thank you for purchasing Griffin's iTrip Auto Universal Plus. Now you can listen to your player through your car's stereo speakers. iTrip works with your player's headphone jack and transmits the music wirelessly to your FM receiver. Using the charge/sync cable supplied with your player, you can use iTrip to charge your player's battery while you listen.

iTrip's controls are easy to use, and setup is a breeze. Here's how to get started using iTrip:

## Getting Started

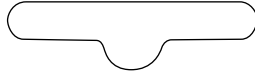
1. Select an FM frequency on your car's radio on which you hear nothing but static, with no audio in the background. The ideal choice would be a frequency with nothing playing on any of the neighboring frequencies. When in doubt, 87.9 is usually a good choice.
2. Plug iTrip's "cigarette lighter" plug into your 12 Volt power outlet. Set your player's volume between 1/2 and 3/4, and begin playing music. Plug iTrip's 3.5mm audio connector into the headphone jack on your player, and iTrip will begin transmitting.
3. Press iTrip's + and - buttons until the frequency in iTrip's display matches the one you chose on your FM receiver, then press iTrip's Select button once to lock in the setting. You should now hear your music on your car stereo. Adjust your car's radio volume to your liking.

## Charging Your Player

The USB port on iTrip's "cigarette lighter" plug can provide power to USB-powered players with rechargeable batteries. Simply attach the charge/sync cable that was packaged with your player. After a few seconds check your player's indicator to confirm that it is charging.

## Changing the Frequency

Near large cities where there are lots of radio stations crowding the dial, you may need to switch your iTrip to a different frequency for a clearer signal. Follow steps 1 and 3, under "Getting Started" to set your new station.



## Choosing Stereo or Mono for Best Sound

iTrip lets you play audio in either stereo (LX) or monaural (DX) mode. Since some audio is almost identical in either stereo or mono, and since mono (DX) produces a clearer signal, you may prefer to switch to DX mode. To switch between modes, press and hold iTrip's Select button for 3 seconds. The current mode indicator (LX or DX) will flash in iTrip's display. Press the + or - buttons to switch to the desired mode, then press the Select button one more time to confirm the change.

## Automatic Shutoff

After 50 seconds of silence, iTrip will automatically turn itself off. If your player's volume is too low, or if there's a silent track in your playlist, iTrip may interpret this weak signal as silence and turn itself off. To turn iTrip back on, turn up your player's volume and restart some music, or disconnect and reconnect iTrip to your car's power outlet.

## Technical Specifications

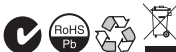
Height: 12.5 mm  
Width: 26 mm  
Length: 72 mm  
Total Length: 85 cm  
Weight: 0.7 oz.  
Antenna: Built in  
Power: Provided by 12 Volt power outlet  
(no batteries required)  
Modulation: FM Stereo  
Frequencies: 87.9-107.9MHz (in 0.1 MHz increments)  
Oscillator: High stability crystal, phase-lock loop control  
Frequency Response: 50 Hz to 15 kHz  
Operating Range: 10-30 ft.

## 1 YEAR WARRANTY

We stand behind every product, with the industry's best customer service, backed by a simple, fair warranty. Using this product signifies your acceptance of the terms of the warranty, so please read our warranty details at [www.griffintechnology.com/support/](http://www.griffintechnology.com/support/) before using your Griffin product.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.



© 2007 Griffin Technology • [www.griffintechnology.com](http://www.griffintechnology.com) • iTrip is a registered trademark of Griffin Technology, Inc. • iPod is a trademark of Apple, Inc., registered in the U.S. and other countries • Patent Pending • Made in China • Designed in Tennessee

**GRIFFIN**